O E IAPAS

JAN O A 7010 PER

ATTEMN 8 TRADES

Sir:

PATENT Customer No. 22,852 Attorney Docket No. 06267.0127

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	
Jukka GYNTHER et al.	Group Art Unit: To Be Assigned
Application No.: 10/541,387	Examiner: To Be Assigned
Filed: July 1, 2005	) )
For: COMPOUNDS HAVING PROLYL OLIGOPEPTIDASE INHIBITORY ACTIVITY	Confirmation No.: To Be Assigned
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do

Application No. 10/541,387 Attorney Docket No. 06267.0127

not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

By:

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Dated: January 4, 2006

Steven J. Scott

Reg. No. 43,911

•			PE 40		
IDS Form PTO/S	SB/08: Substitute for for	m 1449A/PTQ	oung m	Сотр	lete if Known
	SB/08: Substitute for for IFORMATION TATEMENT B	1	177 0 4 JAN 5	Application Number	10/541,387
l IN	FORMATION	DISCLOS	URE 5	Filing Date	July 1, 2005
6	TATEMENT R	V ADDI IC	SANT S	First Named Inventor	Jukka GYNTHER
1	TATEMENT B	I AFFEIG	TA TRACE!	Art Unit	Unassigned
	(Use as many she	ets as necessary)	WII D	Examiner Name	Unassigned
Sheet	1	of	2	Attomey Docket Number	06267.0127

	U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS				
Examiner	Cite	Document Number	Issue or	Name of Patentee or	Pages, Columns, Lines, Where
Initials	No.	Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

	FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		Sherwin Wilk, "Minireview Prolyl Endopeptidase," Life Sciences, Vol. 33, pp. 2149-2157, 1983	
		Rhonda O'Leary et al., "Thyrotropin-Releasing Hormone," Journal of Neurochemistry," Vol. 65, No. 3, pp. 953-963, 1995	
		Tadashi Yoshimoto et al., "Specific Inhibitors for Prolyl Endopeptidase and Their Anti-Amnestic Effect," J. Pharmacobio-Dyn., Vol. 10, pp. 730-735, 1987	
		Neil W. Kowall et al., "An <i>in vivo</i> model for the neurodegenerative effects of β amyloid and protection by substance P," Proc. Natl. Acad. Sci., Vol. 88, pp. 7247-7251, 1991	
		Daniel Nöteberg et al., "New Proline Mimetics: Synthesis of Thrombin Inhibitors Incorporating Cyclopentane- and Cyclopentenedicarboxylic Acid Templates in the P2 Position. Binding Conformation Investigated by X-ray Crystallography," J. Med. Chem., Vol. 43, pp. 1705-1713, 2000	
		Eric Beausoleil et al., "5-tert-Butylproline," J. Org. Chem., Vol. 61, pp. 9447-9454, 1996	
		Iván Collado et al., "Stereoselective Addition of Grignard-Derived Organocopper Reagents to N-Acyliminium Ions: Synthesis of Enantiopure 5- and 4,5-substituted Prolinates," J. Org. Chem., Vol. 60, pp. 5011-5015, 1995	
		Herman Gershon et al., "Amino Acid Analogs. I. Analogs of the Glutamic Acid, Proline Interconversion. Part I. w-Methyl- and w-Phenylketoglutamic Acids and 5-Methyl- and 5-Phenylprolines," Amino Acid Analogs. I, Vol. 26, pp. 2347-2350, 1961	
		Teresa L. Ho et al., "An Asymmetric Synthesis of <i>cis</i> -5-Alkylproline Derivatives," Vol. 51, No. 13, pp. 2405-2408, 1986	
		Houda H. Ibrahim et al., "Synthesis of Enantiopure o-Oxo α-Amino Esters and Prolines via Acylation of N-(Phenylfluorenyl)glutamate Enolates," J. Org. Chem., Vol. 58, pp. 6438-6441, 1993	
		C. G. Overberger et al., "Synthesis and Resolution of cis- and trans-5-Methylproline," Macromolecules, Vol. 5, No. 4, pp. 368-372, 1972	-
		Stephen G. Pyne et al., "Asymmetric Synthesis of Proline Derivatives from (2R) and (2S)-2-tert-Butyl-3-Benzoyl-4-Methyleneoxazolidin-5-one," Tetrahedron, Vol. 51, pp. 5157-5169, 1995	
		Yasushi Sanno, "Studies on the Active Compounds of <i>Digenea simplex</i> Ag. and Related Compounds. LXII. Syntheses of Proline Derivates by the Cyclization of -Aminoketones," Yakugaku Zasshi, Vol. 79, No. 10, pp. 1113-1123, 1958	

Signature Considered	
- State - Constant	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

			PE	
	B/08: Substitute for for	,	2005	$^{\prime}$
INI	FORMATION ATEMENT B	DISCLOS	NO 4 2006 B	
31	(Use as many she	16	MATDADE TO	A
Sheet	2	of	2	A

Complete if Known		
Application Number	10/541,387	
Filing Date	July 1, 2005	
First Named Inventor	Jukka GYNTHER	
Art Unit	Unassigned	
Examiner Name	Unassigned	
Attorney Docket Number	06267.0127	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		Anne van der Werf et al., "Synthesis of Some Proline Derivatives by Means of Michael Additions of Glycine Esters," Tetrahedron Lett., Vol. 32, pp. 3727-3730, 1991	
·		Lan Wei et al., "Racemization in the Use of N-(9-(9-Phenylfluorenyl))serine-Derived Cyclic sulfamidates in the Synthesis of o-Keto α-Amino Carboxylates and Prolines," Organic Letters, Vol. 2, No. 17, pp. 2595-2598, 2000	
		Lars-G. Wistrand et al., "Chirospecific Synthesis of Trans-2,5-Disubstituted Pyrrolidines Via Steroselective Addition of Organocopper Reagents to N-Acyliminium lons," Tetrahedron, Vol. 47, No. 4/5, pp. 573-582, 1991	
		Katsuo Toide et al., "JTP-4819: A Novel Prolyl Endopeptidase Inhibitor with Potential as a Cognitive Enhancer," J. Pharmacol. Exp. Ther., Vol. 274, No. 3, pp. 1370-1378, 1995	
		Masahiko Shinoda et al., "Effect of a novel protyl endopeptidase inhibitor, JTP-4819, on spatial memory and on cholinergic and peptidergic neurons in rats with ibotenate-induced lesions of the nucleus basalis magnocellularis," Behavioural Brain Research, Vol. 44, pp. 17-25, 1999	
		István Hermecz et al., "Prolyl endopeptidase inhibitors," Il Farmaco, Vol. 55, pp. 188-190, 2000	
		Erik A. A. Wallen et al., "4-Phenylbutanoyl-2(S)-acylpyrrolidines and 4-Phenylbutanoyl-L-prolyl-2(S)-acylpyrrolidines as Prolyl Oligopeptidase Inhibitors," Bioorganic & Medicinal Chemistry, Vol. 10, pp. 2199-2206, 2002	
			_

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.